

ABSTRACT

A ball motion measuring apparatus comprises a tee 3 for mounting a golf ball 1 thereon, a first camera 5, a second camera 7, a pair of first stroboscopes 9, a pair of second stroboscopes 11, a pair of optical sensors 13, a CPU 15 to be a calculating section, and a monitor 17 to be a display section. The first camera 5 and the second camera 7 are CCD cameras having a shutter function. Photographing is carried out by means of the first camera 5 after a predetermined time passes since the golf ball 1 is hit, and the photographing is carried out by means of the second camera 7 after a predetermined time further passes. A magnified image is formed by original image data thus obtained and a read value obtained by pointing the magnified image is subjected to distortion correction or oblique correction so that correction data are obtained. Based on the correction data, a flight speed, a spin rate or a launch angle of the golf ball 1 is calculated.